

# Yakai Feng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183  
papers

4,477  
citations

36  
h-index

55  
g-index

196  
ext. papers

5,166  
ext. citations

5.8  
avg. IF

5.67  
L-index

#	Paper	IF	Citations
183	Superlow Dosage of Intrinsically Bioactive Zinc Metal-Organic Frameworks to Modulate Endothelial Cell Morphogenesis and Significantly Rescue Ischemic Disease.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	1
182	Enzyme-responsive strategy as a prospective cue to construct intelligent biomaterials for disease diagnosis and therapy.. <i>Biomaterials Science</i> , <b>2022</b> ,	7.4	3
181	Expandable, biodegradable, bioactive quaternized gelatin sponges for rapidly controlling incompressible hemorrhage and promoting wound healing <b>2022</b> , 212776		0
180	Oligoglycine and fluoropolymer functionalized enzyme-responsive gene delivery surface for rapid in situ endothelialization of vascular grafts. <i>Applied Materials Today</i> , <b>2022</b> , 27, 101476	6.6	1
179	Biomimetic and responsive nanoparticles loading JQ1 for dual-targeting treatment of vascular restenosis via multiple actions. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133452	14.7	1
178	Endothelial Cell-Mediated Gene Delivery for In Situ Accelerated Endothelialization of a Vascular Graft. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16097-16105	9.5	6
177	Bioabsorbable flexible elastomer of PTMC-b-PEG-b-PTMC copolymer as intestinal anastomosis scaffold. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 3633-3645	3.2	1
176	Vertical alignment of carbon fibers under magnetic field driving to enhance the thermal conductivity of silicone composites. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 4318	3.2	0
175	Terpolymer with rigid side chain as filtrate reducer for water-based drilling fluids. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50237	2.9	3
174	5-Boronopicolinic acid-functionalized polymeric nanoparticles for targeting drug delivery and enhanced tumor therapy. <i>Materials Science and Engineering C</i> , <b>2021</b> , 119, 111553	8.3	6
173	Strategies for enhancing thermal conductivity of polymer-based thermal interface materials: a review. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 1064-1086	4.3	50
172	Green process inspires gene delivery: Establishing positive feedback between CO <sub>2</sub> -enhanced bioactive carrier and gene expression to maximize ECs outputs for multi-pathways CLI therapy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127808	14.7	4
171	A controlled CO release and pro-angiogenic gene dually engineered stimulus-responsive nanoplatform for collaborative ischemia therapy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130430	14.7	8
170	A two-pronged approach to regulate the behaviors of ECs and SMCs by the dual targeting-nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 208, 112068	6	1
169	Fabricating poly(vinyl alcohol)/gelatin composite sponges with high absorbency and water-triggered expansion for noncompressible hemorrhage and wound healing. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 1568-1582	7.3	17
168	Redox stimulus disulfide conjugated polyethyleneimine as a shuttle for gene transfer. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2020</b> , 31, 118	4.5	1
167	Multifunctional peptide conjugated amphiphilic cationic copolymer for enhancing ECs targeting, penetrating and nuclear accumulation. <i>Frontiers of Chemical Science and Engineering</i> , <b>2020</b> , 14, 889-901	4.5	6

166	Bioreducible cationic random copolymer for gene delivery. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 2378	3.2	1
165	From single to a dual-gene delivery nanosystem: coordinated expression matters for boosting the neovascularization in vivo. <i>Biomaterials Science</i> , <b>2020</b> , 8, 2318-2328	7.4	12
164	One-pot synthesis of carbon dots@ZrO <sub>2</sub> nanoparticles with tunable solid-state fluorescence. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 1744-1751	3.2	4
163	Agmatine-grafted bioreducible poly(L-lysine) for gene delivery with low cytotoxicity and high efficiency. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2418-2430	7.3	11
162	Polysaccharide Based Hemostatic Strategy for Ultrarapid Hemostasis. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e1900370	5.5	24
161	Delivery of benzoylaconitine using biodegradable nanoparticles to suppress inflammation via regulating NF- $\kappa$ B signaling. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 191, 110980	6	13
160	Matrix-Metalloproteinase-Responsive Gene Delivery Surface for Enhanced in Situ Endothelialization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 40121-40132	9.5	15
159	Cascaded bio-responsive delivery of eNOS gene and ZNF gene to collaboratively treat hindlimb ischemia via pro-angiogenesis and anti-inflammation. <i>Biomaterials Science</i> , <b>2020</b> , 8, 6545-6560	7.4	8
158	Cyclopropenium Nanoparticles and Gene Transfection in Cells. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	8
157	Surface Engineering of Cardiovascular Devices for Improved Hemocompatibility and Rapid Endothelialization. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000920	10.1	18
156	Unexpected Amplification of Synergistic Gene Expression to Boom Vascular Flow in Advantageous Dual-Gene Co-expression Plasmid Delivery Systems over Physically Mixed Strategy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7228-7235	4.1	1
155	Polymeric nano-carriers for on-demand delivery of genes specific responses to stimuli. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 9621-9641	7.3	13
154	Multifunctional REDV-G-TAT-G-NLS-Cys peptide sequence conjugated gene carriers to enhance gene transfection efficiency in endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 184, 110510 <sup>6</sup>	6	8
153	Peptide-immobilized starch/PEG sponge with rapid shape recovery and dual-function for both uncontrolled and noncompressible hemorrhage. <i>Acta Biomaterialia</i> , <b>2019</b> , 99, 220-235	10.8	33
152	A PEG-b-poly(disulfide-L-lysine) based redox-responsive cationic polymer for efficient gene transfection. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1893-1905	7.3	16
151	A "self-accelerating endosomal escape" siRNA delivery nanosystem for significantly suppressing hyperplasia via blocking the ERK2 pathway. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3307-3319	7.4	9
150	Fabricating antimicrobial peptide-immobilized starch sponges for hemorrhage control and antibacterial treatment. <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 115012	10.3	38
149	Construction of Hemocompatible and Histocompatible Surface by Grafting Antithrombotic Peptide ACH and Hydrophilic PEG. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2846-2857	5.5	10

148	Preparation of ZrO <sub>2</sub> /silicone hybrid materials for LED encapsulation via in situ sol-gel reaction. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1818-1824	3.2	7
147	Multifunctional Gene Carriers Labeled by Perylene Diimide Derivative as Fluorescent Probe for Tracking Gene Delivery. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800916	4.8	10
146	Multifunctional gene delivery systems with targeting ligand CAGW and charge reversal function for enhanced angiogenesis. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1906-1919	7.3	19
145	A progressively targeted gene delivery system with a pH triggered surface charge-switching ability to drive angiogenesis in vivo. <i>Biomaterials Science</i> , <b>2019</b> , 7, 2061-2075	7.4	19
144	Co-immobilization of ACH antithrombotic peptide and CAG cell-adhesive peptide onto vascular grafts for improved hemocompatibility and endothelialization. <i>Acta Biomaterialia</i> , <b>2019</b> , 97, 344-359	10.8	25
143	Poly(lactide-co-glycolide) grafted hyaluronic acid-based electrospun fibrous hemostatic fragments as a sustainable anti-infection and immunoregulation material. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4997-5010	7.3	16
142	Preparation and Investigation of High-Efficiency Antibacterial Liquid Dishwashing Detergent. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 322-329	2.9	1
141	CAGW and TAT-NLS peptides functionalized multitargeting gene delivery system with high transfection efficiency. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 2567-2576	3.2	3
140	Ligand targeting and peptide functionalized polymers as non-viral carriers for gene therapy. <i>Biomaterials Science</i> , <b>2019</b> , 8, 64-83	7.4	18
139	Polysaccharide-Based Lotus Seedpod Surface-Like Porous Microsphere with Precise and Controllable Micromorphology for Ultrarapid Hemostasis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46558-46571	9.5	36
138	Biofunctionalized Electrospun PCL-PIBMD/SF Vascular Grafts with PEG and Cell-Adhesive Peptides for Endothelialization. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1800386	5.5	26
137	Development of Ca-based, ion-responsive superabsorbent hydrogel for cement applications: Self-healing and compressive strength. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 397-403	9.3	10
136	Multitargeting Peptide-Functionalized Star-Shaped Copolymers with Comblike Structure and a POSS-Core To Effectively Transfect Endothelial Cells. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2155-2168	5.5	18
135	Synthesis, helical columnar liquid crystalline structure, and charge transporting property of perylene diimide derivative bearing oligosiloxane chains. <i>Dyes and Pigments</i> , <b>2018</b> , 152, 139-145	4.6	8
134	Oligohistidine and targeting peptide functionalized TAT-NLS for enhancing cellular uptake and promoting angiogenesis in vivo. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 29	9.4	23
133	Genipin crosslinked microspheres as an effective hemostatic agent. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2632-2642	3.2	14
132	POSS-cored and peptide functionalized ternary gene delivery systems with enhanced endosomal escape ability for efficient intracellular delivery of plasmid DNA. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 4251-4263	7.3	16
131	W Modified Polymeric Micelles with Different Hydrophobic Cores for Efficient Gene Delivery and Capillary-like Tube Formation. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2870-2878	5.5	11

130	Tannic Acid Cross-linked Polysaccharide-Based Multifunctional Hemostatic Microparticles for the Regulation of Rapid Wound Healing. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, e1800209	5.5	43
129	Synthesis of Well-Defined Dihydroxy Telechelics by (Co)polymerization of Morpholine-2,5-Diones Catalyzed by Sn(IV) Alkoxide. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, e1800257	5.5	8
128	Red-blood-cell-mimetic gene delivery systems for long circulation and high transfection efficiency in ECs. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5975-5985	7.3	24
127	High refractive index adamantane-based silicone resins for the encapsulation of light-emitting diodes. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2245-2252	3.2	13
126	Star-shaped copolymer grafted PEI and REDV as a gene carrier to improve migration of endothelial cells. <i>Biomaterials Science</i> , <b>2017</b> , 5, 511-522	7.4	25
125	Comb-shaped polymer grafted with REDV peptide, PEG and PEI as targeting gene carrier for selective transfection of human endothelial cells. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1408-1422	7.3	24
124	CAGW Peptide- and PEG-Modified Gene Carrier for Selective Gene Delivery and Promotion of Angiogenesis in HUVECs in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4485-4497	9.5	40
123	Mixed micelles obtained by co-assembling comb-like and grafting copolymers as gene carriers for efficient gene delivery and expression in endothelial cells. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1673-1687 <sup>32</sup>	7.3	32
122	Synthesis, crystal structure, enhanced photoluminescence properties and fluoride detection ability of S-heterocyclic annulated perylene diimide-polyhedral oligosilsesquioxane dye. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2566-2576	7.1	30
121	Self-adhesive epoxy modified silicone materials for light emitting diode encapsulation. <i>Polymers for Advanced Technologies</i> , <b>2017</b> , 28, 1473-1479	3.2	11
120	Design of polycationic micelles by self-assembly of polyethyleneimine functionalized oligo[(ε-caprolactone)-co-glycolide] ABA block copolymers. <i>Polymers for Advanced Technologies</i> , <b>2017</b> , 28, 1278-1284	3.2	11
119	Hydrophobic associated copolymer as a wide temperature range synthetic cement retarder and its effect on cement hydration. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, e45242	2.9	12
118	Bioreducible, hydrolytically degradable and targeting polymers for gene delivery. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 3253-3276	7.3	32
117	Ionic Self-Assembled Derivative of Tetraphenylethylene: Synthesis, Enhanced Solid-State Emission, Liquid-Crystalline Structure, and Cu Detection Ability. <i>ChemPhysChem</i> , <b>2017</b> , 18, 3605-3613	3.2	12
116	Design and development of polysaccharide hemostatic materials and their hemostatic mechanism. <i>Biomaterials Science</i> , <b>2017</b> , 5, 2357-2368	7.4	103
115	Multifunctional Gene Carriers with Enhanced Specific Penetration and Nucleus Accumulation to Promote Neovascularization of HUVECs in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35613-35627	9.5	40
114	CAGW Peptide Modified Biodegradable Cationic Copolymer for Effective Gene Delivery. <i>Polymers</i> , <b>2017</b> , 9,	4.5	20
113	Multi-targeting peptides for gene carriers with high transfection efficiency. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 8035-8051	7.3	21

112	Electrospun PCL-PIBMD/SF blend scaffolds with plasmid complexes for endothelial cell proliferation. <i>RSC Advances</i> , <b>2017</b> , 7, 39452-39464	3.7	20
111	Performance of methylphenyl hydrogen-containing silicone oils for LED encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2017</b> , 54, 690-694	2.2	6
110	Core/Shell Gene Carriers with Different Lengths of PLGA Chains to Transfect Endothelial Cells. <i>Langmuir</i> , <b>2017</b> , 33, 13315-13325	4	14
109	Synthesis and Characterization of Multiblock Poly(Ester-Amide-Urethane)s. <i>MRS Advances</i> , <b>2017</b> , 2, 2551-2559	2	2
108	Zwitterionic copolymer for controlling fluid loss in Oilwell cementing: Preparation, characterization, and working mechanism. <i>Polymer Engineering and Science</i> , <b>2017</b> , 57, 78-88	2.3	7
107	Co-self-assembly of cationic microparticles to deliver pEGFP-ZNF580 for promoting the transfection and migration of endothelial cells. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 137-149	7.3	10
106	Synthesis, Aggregation-Induced Emission, and Liquid Crystalline Structure of TetraphenylethyleneSurfactant Complex via Ionic Self-Assembly. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 27577-27586	3.8	41
105	REDV-polyethyleneimine complexes for selectively enhancing gene delivery in endothelial cells. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3365-3376	7.3	24
104	Biodegradable PEI modified complex micelles as gene carriers with tunable gene transfection efficiency for ECs. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 997-1008	7.3	28
103	Electrospun Poly(lactide-glycolide-3)-methyl-morpholine-2,5-dione) Nanofibrous Scaffolds for Tissue Engineering. <i>Polymers</i> , <b>2016</b> , 8,	4.5	21
102	Biodegradable Polymers for Medical Applications. <i>International Journal of Polymer Science</i> , <b>2016</b> , 2016, 1-2	2.4	8
101	Evaluation of Electrospun PCL-PIBMD Meshes Modified with Plasmid Complexes and. <i>Polymers</i> , <b>2016</b> , 8,	4.5	13
100	Oil bleed from elastomeric thermal silicone conductive pads. <i>Frontiers of Chemical Science and Engineering</i> , <b>2016</b> , 10, 509-516	4.5	7
99	Hydrophobic associated polymer grafted onto nanosilica as a multi-functional fluid loss agent for oil well cement under ultrahigh temperature. <i>RSC Advances</i> , <b>2016</b> , 6, 91728-91740	3.7	15
98	Multitargeting Gene Delivery Systems for Enhancing the Transfection of Endothelial Cells. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1926-1931	4.8	20
97	PLGA/SF blend scaffolds modified with plasmid complexes for enhancing proliferation of endothelial cells. <i>Reactive and Functional Polymers</i> , <b>2015</b> , 91-92, 19-27	4.6	29
96	Surface tailoring for selective endothelialization and platelet inhibition via a combination of SI-ATRP and click chemistry using Cys-Ala-Gly-peptide. <i>Acta Biomaterialia</i> , <b>2015</b> , 20, 69-81	10.8	61
95	Targeting REDV peptide functionalized polycationic gene carrier for enhancing the transfection and migration capability of human endothelial cells. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3379-3391	7.3	38

94	Antimicrobial surfaces grafted random copolymers with REDV peptide beneficial for endothelialization. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7682-7697	7.3	28
93	REDV Peptide Conjugated Nanoparticles/pZNF580 Complexes for Actively Targeting Human Vascular Endothelial Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20389-99	9.5	40
92	PEI modified biodegradable complex micelles as gene transfer vector for proliferation of ECs. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e60	11.7	3
91	PEI-g-P(LA-co-MMD)-g-PEI nanoparticles as gene carriers to promote the proliferation of human vascular endothelial cells. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e89-90	11.7	2
90	REDV-linked biodegradable polymeric micelles as the transfer vector of ZNF580 for the proliferation of endothelial cells. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e123	11.7	2
89	Surface Modification of Polycarbonate Urethane with Zwitterionic Polynorbornene via Thiol-ene Click-Reaction to Facilitate Cell Growth and Proliferation. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 802-809	3.9	17
88	Biodegradable carrier/gene complexes to mediate the transfection and proliferation of human vascular endothelial cells. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 1370-1377	3.2	12
87	CREDVW-Linked Polymeric Micelles As a Targeting Gene Transfer Vector for Selective Transfection and Proliferation of Endothelial Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 12128-40	9.5	51
86	Nanoparticles complexed with gene vectors to promote proliferation of human vascular endothelial cells. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1225-35	10.1	40
85	Surface modification and endothelialization of biomaterials as potential scaffolds for vascular tissue engineering applications. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 5680-742	58.5	324
84	Electrospun scaffolds of silk fibroin and poly(lactide-co-glycolide) for endothelial cell growth. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 5386	4.5	25
83	Hydrophilic PCU scaffolds prepared by grafting PEGMA and immobilizing gelatin to enhance cell adhesion and proliferation. <i>Materials Science and Engineering C</i> , <b>2015</b> , 50, 201-9	8.3	50
82	Manipulation of polycarbonate urethane bulk properties via incorporated zwitterionic polynorbornene for tissue engineering applications. <i>RSC Advances</i> , <b>2015</b> , 5, 11284-11292	3.7	17
81	Modification of polycarbonateurethane surface with poly (ethylene glycol) monoacrylate and phosphorylcholine glyceraldehyde for anti-platelet adhesion. <i>Frontiers of Chemical Science and Engineering</i> , <b>2014</b> , 8, 188-196	4.5	26
80	Ionic liquid-complex Pd/C system as catalyst for copolymerization of CO and styrene. <i>Transactions of Tianjin University</i> , <b>2014</b> , 20, 48-53	2.9	2
79	Proliferation and migration of human vascular endothelial cells mediated by ZNF580 gene complexed with mPEG-b-P(MMD-co-GA)-g-PEI microparticles. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 1825-1837	7.3	41
78	Biodegradable depsipeptideBDOPEG-based block copolymer micelles as nanocarriers for controlled release of doxorubicin. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 82, 89-97	4.6	21
77	Fabrication of Siloxane Hybrid Material With High Adhesion and High Refractive Index for Light Emitting Diodes (LEDs) Encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2014</b> , 51, 653-658	2.2	17

76	Preparation and Performance of Phenyl-Vinyl-POSS/Addition-Type Curable Silicone Rubber Hybrid Material. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2014</b> , 51, 639-645	2.2	22
75	Regulation of the endothelialization by human vascular endothelial cells by ZNF580 gene complexed with biodegradable microparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 7133-45	15.6	49
74	Thermothickening Behavior of Graft Copolymers Containing Poly(N-isopropylacrylamide-co-N,N-dimethylacrylamide) Side Chains in Aqueous Solution. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2014</b> , 51, 881-890	2.2	7
73	Synthesis of an adhesion-enhancing polysiloxane containing epoxy groups for addition-cure silicone light emitting diodes encapsulant. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 927-933	3.2	24
72	Self-Assembly of Polyethylenimine-Modified Biodegradable Complex Micelles as Gene Transfer Vector for Proliferation of Endothelial Cells. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 2463-2472	2.6	33
71	Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group. <i>Macromolecular Research</i> , <b>2013</b> , 21, 541-549	1.9	37
70	Grafting of poly(ethylene glycol) monoacrylates on polycarbonateurethane by UV initiated polymerization for improving hemocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 61-70	4.5	40
69	Synthesis and characterization of degraded gelatin grafted poly( $\epsilon$ -caprolactone) copolymers. <i>Transactions of Tianjin University</i> , <b>2013</b> , 19, 182-187	2.9	10
68	Amphiphilic depsipeptide-based block copolymers as nanocarriers for controlled release of ibuprofen with doxorubicin. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 3213-3226	2.5	19
67	Hemocompatible surface of electrospun nanofibrous scaffolds by ATRP modification. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 3644-51	8.3	62
66	Functionalization of polycarbonate surfaces by grafting PEG and zwitterionic polymers with a multicomponent structure. <i>Macromolecular Bioscience</i> , <b>2013</b> , 13, 1681-8	5.5	32
65	Controlled release of doxorubicin from amphiphilic depsipeptide-DOPEG-based copolymer nanosized microspheres. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 1281-1289	4.6	14
64	Grafting of phosphorylcholine functional groups on polycarbonate urethane surface for resisting platelet adhesion. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 2871-8	8.3	50
63	Surface modification of polycarbonate urethane by covalent linkage of heparin with a PEG spacer. <i>Transactions of Tianjin University</i> , <b>2013</b> , 19, 58-65	2.9	8
62	Fabrication and characterization of electrospun gelatin-heparin nanofibers as vascular tissue engineering. <i>Macromolecular Research</i> , <b>2013</b> , 21, 860-869	1.9	40
61	Biomimetic design of amphiphilic polycations and surface grafting onto polycarbonate urethane film as effective antibacterial agents with controlled hemocompatibility. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 3166-3176	2.5	24
60	A potential nonthrombogenic small-diameter vascular scaffold with polyurethane/poly(ethylene glycol) hybrid materials by electrospinning technique. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1578-82	1.3	16
59	Co-electrospun blends of PU and PEG as potential biocompatible scaffolds for small-diameter vascular tissue engineering. <i>Materials Science and Engineering C</i> , <b>2012</b> , 32, 2306-2315	8.3	95



58	Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion. <i>Macromolecular Research</i> , <b>2012</b> , 20, 1063-1069	1.9	12
57	Permeate Flux Curve Characteristics Analysis of Cross-Flow Vacuum Membrane Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 487-494	3.9	14
56	Synthesis and characterization of novel copolymers based on 3(S)-methyl-morpholine-2,5-dione. <i>Transactions of Tianjin University</i> , <b>2012</b> , 18, 315-319	2.9	11
55	Preparation and characterization of phosphorylcholine glyceraldehyde grafted polycarbonateurethane films. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	6
54	Synthesis and characterization of biodegradable, amorphous, soft IPNs with shape-memory effect. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 382-388	3.2	8
53	Electrospun hemocompatible PU/gelatin-heparin nanofibrous bilayer scaffolds as potential artificial blood vessels. <i>Macromolecular Research</i> , <b>2012</b> , 20, 347-350	1.9	45
52	Grafting of a novel phosphorylcholine-containing vinyl monomer onto poly-carbonateurethane surfaces by ultraviolet radiation grafting polymerization. <i>Macromolecular Research</i> , <b>2012</b> , 20, 693-702	1.9	10
51	Fabrication of PU/PEGMA crosslinked hybrid scaffolds by in situ UV photopolymerization favoring human endothelial cells growth for vascular tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 1499-510	4.5	62
50	Fabrication and characterization of electrospun biocompatible PU/PEGMA hybrid nanofibers by in-situ UV photopolymerization. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 1189-1193	3.6	11
49	Surface Modification of Polycarbonateurethane by Grafting Phosphorylcholine Glyceraldehydes for Improving Hemocompatibility. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1403, 61		1
48	Biomimetic Hemo-compatible Surfaces of Polyurethane by Grafting Copolymer Brushes of Poly(ethylene glycol) and Poly(phosphorylcholine methacrylate). <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1403, 220		
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46	Drug release from biodegradable polyesterurethanes with shape-memory effect. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e20-1	11.7	13
45	Biodegradable polyesterurethanes with shape-memory properties for dexamethasone and aspirin controlled release. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e21-3	11.7	15
44	Controlled heparin release from electrospun gelatin fibers. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e28-9	11.7	15
43	Nitric oxide release from polycarbonate-urethane films containing copper(II) complexes. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e202-4	11.7	5
42	Electrospinning of polycarbonate urethane biomaterials. <i>Frontiers of Chemical Science and Engineering</i> , <b>2011</b> , 5, 11-18	4.5	14
41	Synthesis of depsipeptides from L-amino acids and lactones. <i>Frontiers of Chemical Science and Engineering</i> , <b>2011</b> , 5, 409-415	4.5	6

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39	Synthesis and characterization of hydrophilic polyester-PEO networks with shape-memory properties. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2430-2438	3.2	11
38	Grafting of poly(ethylene glycol) monoacrylate onto polycarbonateurethane surfaces by ultraviolet radiation grafting polymerization to control hydrophilicity. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 3717-3727	2.9	35
37	Polycarbonateurethane films containing complex of copper(II) catalyzed generation of nitric oxide. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1712-1721	2.9	10
36	Construction of hemocompatible polycarbonate urethane with sulfoammonium zwitterionic polyethylene glycol. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1084-1091	2.9	20
35	Polyester-Hydrophilic PEO Networks as Multifunctional Biomaterials. <i>Macromolecular Symposia</i> , <b>2011</b> , 306-307, 18-26	0.8	4
34	Biomimetic Hemocompatible Nanofibrous Scaffolds as Potential Small-Diameter Blood Vessels by Bilayering Electrospun Technique. <i>Advanced Materials Research</i> , <b>2011</b> , 306-307, 1627-1630	0.5	2
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32	The Influence of Zwitterionic Phospholipid Brushes Grafted via UV-Initiated or SI-ATR Polymerization on the Hemocompatibility of Polycarbonateurethane. <i>Macromolecular Symposia</i> , <b>2011</b> , 309-310, 6-15	0.8	16
31	Biological evaluation of degradable, stimuli-sensitive multiblock copolymers having polydepsipeptide- and poly( $\epsilon$ -caprolactone) segments in vitro. <i>Clinical Hemorheology and Microcirculation</i> , <b>2011</b> , 48, 161-72	2.5	12
30	Synthesis and characterization of HDI/MDI-polycarbonate urethanes. <i>Transactions of Tianjin University</i> , <b>2010</b> , 16, 317-321	2.9	4
29	Surface modification of biomaterials by photochemical immobilization and photograft polymerization to improve hemocompatibility. <i>Frontiers of Chemical Engineering in China</i> , <b>2010</b> , 4, 372-381		20
28	Copolymer Networks Based on Poly( $\epsilon$ -pentadecalactone) and Poly( $\gamma$ -caprolactone) Segments as a Versatile Triple-Shape Polymer System. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3583-3594	15.6	105
27	Progress in depsipeptide-based biomaterials. <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 1008-21	5.5	62
26	Biodegradable polydepsipeptides. <i>International Journal of Molecular Sciences</i> , <b>2009</b> , 10, 589-615	6.3	81
25	Biodegradable multiblock copolymers based on oligodepsipeptides with shape-memory properties. <i>Macromolecular Bioscience</i> , <b>2009</b> , 9, 45-54	5.5	100
24	Synthesis and characterization of poly(carbonate urethane) networks with shape-memory properties. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 473-478	2.9	38
23	Synthesis of polyketone catalyzed by Pd/C catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2009</b> , 307, 121-127		11

22	Controlling the switching temperature of biodegradable, amorphous, shape-memory poly(rac-lactide)urethane networks by incorporation of different comonomers. <i>Biomacromolecules</i> , <b>2009</b> , 10, 975-82	6.9	105
21	Shape-memory capability of binary multiblock copolymer blends with hard and switching domains provided by different components. <i>Soft Matter</i> , <b>2009</b> , 5, 676-684	3.6	100
20	Novel interpenetrating networks with shape-memory properties. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 768-775	2.5	59
19	Study on oxidative degradation behaviors of polyesterurethane network. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 1711-1716	4.7	26
18	Biodegradable, amorphous copolyester-urethane networks having shape-memory properties. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1188-92	16.4	212
17	Lipase-catalyzed ring-opening polymerization of 6(S)-methyl-morpholine-2,5-dione. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 3030-3039	2.5	25
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15	Lipase catalyzed copolymerization of 3(S)-isopropylmorpholine-2,5-dione and D,L-lactide. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 587-90	5.5	35
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12	Copolymerization of carbon monoxide and styrene with the Nd(III)/Cu(II) catalyst. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 8-13	2.9	1
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5	Lipase-catalyzed ring-opening polymerization of 3(S)-isopropylmorpholine-2,5-dione. <i>Macromolecular Chemistry and Physics</i> , <b>1999</b> , 200, 1506-1514	2.6	29

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